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U. S. DEPARTMENT OF COMMERCE  
NATIONAL BUREAU OF STANDARDS  
Washington 25, D. C.

Letter  
Circular  
840  
(Superseding  
LC 807)

HOME HEATING PROBLEMS:  
List of Publications and Articles  
Revised to November 1, 1946

GENERAL INFORMATION

Some of the publications in this list have appeared in the regular series of the National Bureau of Standards and other governmental agencies. Those publications for which a price is stated, can be purchased from the Superintendent of Documents, Government Printing Office, Washington 25, D.C. Remittance should be made either by coupons obtainable from the Superintendent of Documents in sets of 20 for \$1.00 and good until used, or by check or money order payable to the Superintendent of Documents, Government Printing Office, Washington 25, D.C., sent with the order.

I. In this list letters with serial numbers are used to designate Government publications.

U. S. DEPARTMENT OF COMMERCE  
National Bureau of Standards

BH - Building and Housing  
publication  
BMS - Building Materials  
and Structures  
publication

CS - Commercial Standard  
LC - Letter Circular  
(mimeographed)  
M - Miscellaneous publication  
R - Simplified Practice  
Recommendation

U. S. DEPARTMENT OF AGRICULTURE

FB - Farmers' Bulletin  
T - Technical Bulletin

U. S. DEPARTMENT OF THE INTERIOR  
Bureau of Mines

B - Bulletin  
HEH - Handbook  
IC - Information Circular  
RI - Report of Investigations

FEDERAL HOUSING ADMINISTRATION

FHA - Federal Housing  
Administration form

II. For papers published by nongovernmental agencies, the name and address of the publisher and the price are given.

III. In the case of magazine articles, the Bureau cannot supply copies of magazines or reprints from them nor can it furnish information as to their availability or price. Such articles can, however, be consulted at most libraries. Letters to publishers should be accompanied by a stamped, completely addressed envelope.

I. FEDERAL GOVERNMENT PUBLICATIONSSeries   PriceDepartment of Commerce (National Bureau of Standards)  
Washington 25, D. C.

*Recommended minimum requirements for small dwelling construction (1932) 107 pages. Includes minimum requirements for chimney and fireplace construction.....	BH18.	0/P
Care and repair of the house (1931) 121 pages. Contains a chapter on repairs and maintenance of heating and ventilating equipment.....	BH15	20¢
Effect of soot on the rating of an oil-fired heating boiler (1940) 4 pages. Important factors to be considered in the adjustment or testing of heating boilers or furnaces and in the design of chimneys.....	BMS54	10¢
Measurements of heat losses from slab floors.....	BMS103	10¢
Painting of steam and hot water radiators.....	LC445	Free
Aluminum foil insulation.....	LC535	Free
Domestic heating and air conditioning.....	LC649	Free
Thermostat setting and economy in house heating.....	LC711	Free
Notes on domestic fuel oil conservation.....	LC738	Free
Thermal insulation of dwelling houses.....	LC774	Free
Range boilers and expansion tanks.....	R8-42	5¢
Cast-iron radiators (mimeog.).....	R174-46	5¢
Nonferrous range boilers.....	R181-41	5¢
Stove pipe and accessories.....	R190-42	5¢
Pipes, ducts, and fittings for warm-air heating and air conditioning.....	R207-45	10¢
Domestic burners for Pennsylvania anthracite (underfeed type).....	CS48-40	5¢
Fuel oils.....	CS12-40	5¢
Oil burners; automatic mechanical draft.....	CS75-42	10¢
Furnaces; gas floor, gravity circulating.....	CS99-42	5¢
Space heaters; oil-burning, flue-connected.....	CS101-43	10¢
Furnaces; warm-air (equipped with oil-burners, vaporizing, pot-type)(mimeog.).....	CS104-46	10¢

	<u>Series</u>	<u>Price</u>
Furnaces; forced-air, solid-fuel-burning.....	CS109-44	10¢
Furnaces; oil-burning, floor (equipped with vaporizing pot-type burners).....	CS113-44	10¢

Department of Agriculture  
Washington 25, D. C.

Heating the farm home (1933) 17 pages. The requirements that should be met and the characteristics of different types of heating systems are discussed, and advice is given on selecting heating plants for farmhouses and on ways of conserving heat.....	FB1698	5¢
A study of the oil burner as applied to domestic heating (1929) 44 pages. Deals with technical phases.....	T109	10¢
Fireplaces and chimneys (1941) 52 pages. Designed to give the householder and prospective builder a work- ing knowledge of the principles to be observed in planning and building fireplaces and chimneys.....	FB1889	10¢
Wood fuel in wartime (1942) 22 pages. Information on the fuel value of wood, and how to operate heating equipment when burning wood.....	FB1912	10¢
Camp stoves and fireplaces. (Forest Service; 1937) 91 pages. Information concerning the location, design, construction, and the use of outdoor facilities.....		\$1.50

Department of Agriculture  
Forest Products Laboratory  
Madison 5, Wis.

Wood fuel and wood stoves (1942) 6 pages. Value as fuel and methods of firing.....	R1279	Free
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Department of the Interior (Bureau of Mines)  
Washington 25, D. C.

Questions and answers for the home fireman (1940) 34 pages.	HFH	10¢
Questions and answers for the coal fireman (1941) 17 pages.	HFH	10¢
How to save fuel at home (1942) 5 pages.....	IC7229	Free
Supplementing anthracite with other fuels for home heating (1943) 22 pages:.....	IC7260	Free
Removal of soot from furnaces and flues by the use of salts or compounds.....	B360	10¢
Coke as a domestic heating fuel.....	RI2980	Free

Federal Housing Administration  
Washington 25, D. C.

Mechanical equipment for the home, Technical Bulletin No. 6 (1937). Contains chapters on heating and air conditioning.....	FHA2299	5¢
Principles of planning small houses, Technical Bulletin No. 4 (1936). Contains a section on heating.....	FHA2219	10¢

II. OTHER PUBLICATIONS

The following publications relating to home heating problems may be obtained from the issuing organizations:

Department of Mines and Resources,  
(Bureau of Mines, Mines and Geology Branch),  
Ottawa, Canada

Comparative tests of various fuels when burned in a domestic hot-water boiler, No. 705: 1929 ed.....	No. 705	20¢
Comparative tests of various fuels when burned in a domestic hot-water boiler, No. 802: 1940 ed.....	No. 802	25¢

American Society of Heating and Ventilating Engineers,  
51 Madison Avenue, New York 10, N. Y.  
ASHVE "Guide." Published annually; contains design and  
specification data useful in the planning and construc-  
tion of modern heating and ventilating installations... \$6.00

American Gas Association,  
420 Lexington Avenue, New York 17, N. Y.  
Comfort heating..... \$2.00  
  
Gas and electricity for domestic cooking and heating  
purposes..... Free

Better Homes in America,  
Furdue Research Foundation, West Lafayette, Ind.  
Why conditioned air in houses improves human comfort,  
Home Information No. 25..... HI25 15¢

How air in houses is conditioned by modern equipment,  
Home Information No. 26..... HI26 15¢

Copper and Brass Research Association,  
420 Lexington Avenue, New York 17, N. Y.  
Radiant heating..... Free

Heating, Piping, and Air Conditioning Contractors  
National Association,  
1250 Sixth Avenue, New York 20, N. Y.  
Net load recommendations for heating boilers..... \$1.50  
Engineering standards..... 5.00



National Board of Fire Underwriters,  
85 John Street, New York 7, N. Y.

A standard ordinance for chimney construction.

Suitable for use in cities and towns of any size....

Free

National Fire Protection Association,  
60 Batterymarch Street, Boston 10, Mass.

Make your chimneys safe.....

G.6 Free

Spark arrestors for chimneys.....

5¢

National Warm Air Heating and Air Conditioning Association,  
145 Public Square, Cleveland 14, Ohio

Standard gravity code. For installation of gravity  
warm air heating systems in residences.....

50¢

Technical code. For installation of mechanical  
warm air heating; technical.....

50¢

Yardstick for the evaluation of a forced warm air  
heating system.....

50¢

Small Homes Council,  
Mumford House, University of Illinois,  
Urbana, Ill.

Fuels and burners, Circular G3.5.....

C G3.5 Free

Heating the home, Circular G3.1.....

C G3.1 Free

Chimneys and fireplaces, Circular F7.0.....

C F7.0 Free

Storm windows, Circular F11.2.....

C F11.2 Free

Structural Clay Products Institute,  
1756 K Street N.W., Washington 6, D.C.

Plans for outdoor barbecue grille.....

Free

The heart of the home.....

25¢

Barbecue grille; construction details.....

Free

Underwriters' Laboratories, Inc.,  
207 E. Ohio St., Chicago 11, Ill.

List of inspected gas, oil, and miscellaneous appli-  
ances.

Presents names of appliances that have been sub-  
jected to tests with particular reference to  
fire safety.....

Free

University of Illinois,  
Engineering Experiment Station,  
Urbana, Ill.

Save fuel for victory, Circular No. 47.....

C No. 47 Free

### III. MAGAZINE ARTICLES

The following magazine articles relating to home heating problems may be consulted at local libraries or obtained from the publishers:

- American Builder, Simmons-Boardman Publishing Corporation,  
105 W. Adams St., Chicago 3, Ill. (25¢ per copy)  
Aug. 1939, p. 70 - "Outdoor grilles and barbecue fireplaces."  
Photographs and drawings.  
Sept. 1939, p. 66 - "Principles of central heating systems."  
A review of relative advantages of popular types.  
Sept. 1943, p. 34 - "Solar heating for post-war homes."  
July 1944, p. 78 - "How to determine fireplace flues." Graphic chart.  
July 1944, p. 74 - "How to build an outdoor fireplace."
- American Home, 444 Madison Avenue, New York, N.Y. (15¢ per copy)  
Dec. 1932, p. 22 - "A little portfolio of fireplaces." Photographs of 11 types.  
June 1935, p. 32-35 - "Illustrations and details of several kinds of outdoor fireplaces and kitchens."  
Feb. 1936, p. 52 - "Cabin fireplaces that really do work."  
Illustrations and diagrams.  
Feb. 1939, p. 89 - "Where there's smoke there's no fire."  
Fireplace design; cross-section of opening.  
Feb. 1939, p. 32 - "Heating the temporary home." Illustrations and descriptions of small heating units for cabins and cottages.  
Oct. 1941, p. 76 - "Without charm it's not a real home hearth."  
Feb. 1946, p. 33 - "Barbecues for summer living." Plans and specifications on sale.
- Architectural Record, 119 W. 40th St., New York 18, N.Y. (\$3.00 per year)  
July 1938, p. 85-92 - "Pictures of 25 different fireplaces."  
Aug. 1943, p. 62 - "Practical radiant heating." (Basic principles and practical application in detail. Illustrations and diagram.)  
Dec. 1945, pp. 123-) "What's ahead in house heating." (New ideas; 128 ) illustrated.)
- Building Standards Monthly, Pacific Coast Building Officials Conference,  
124 West Fourth St., Los Angeles, Calif.  
(25¢ per copy)  
Dec. 1938, p. 4 - "Chimney fires and chimney construction."  
Sept. 1939, p. 7 - "A discussion of chimneys and flues."  
(Tables and diagrams.)
- Building Supply News, 59 E. Van Buren St., Chicago, Ill. (30¢ per copy)  
June 1936, p. 37 - "Fireplace design." (Cross-section and tables of dimensions.)  
July 1938, pp. 40-) "How to plan and build efficient fireplaces."  
45 ) (Fundamental principles, dimensions, and cross-sections.)
- Progressive Architecture (Pencil Points), 330 West 42nd Street,  
New York 18, N.Y. (\$3.00 per year)  
Feb. 1937, p. 117 - "Outdoor fireplaces." (Half elevation, section, and plans.)  
Sept. 1946, pp. 87-) "Electric radiant heat."  
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